

HUNGARY

ZSEBOK, Zoltan, Dr., HERNADY, Tibor, Dr.; Hungarian Academy of Sciences, Medical-Radiological Research Group (MTA -- Magyar Tudomanyos Akademia -- Orvos-Radiologiai Kutatocsoport), and Medical University of Budapest, Radiological Clinic (director: ZSEBOK, Zoltan, Dr, professor) (BOTE -- Budapesti Orvostudomanyi Egyetem -- Radiologiai Klinika).

"Study of the In-Vitro Radiation Sensitivity of Red Blood Cell Catalase."

Budapest, Magyar Radiologia, Vol XVIII, No 2, Apr 66, pages 68-71.

Abstract: [Authors' English summary modified] The results of experiments with erythrocyte-catalase irradiation are reported. On the basis of the results it is concluded that, there is no direct radiation damage to red blood cell catalase in the course of treatment of patients or in the doses most frequently used for irradiation in animal experiments. Some fundamental concepts are discussed with respect to the "dilution effect" observed in the course of experimental irradiation and to the phenomenon of dosage-dependent radiation sensitivity. 1 Hungarian, 16 Western references.

HUNGARY

ZSEBOK, Zoltan, Dr. PETRANYI, Gyozo, Dr. BAUMGARTNER, Edit, Dr. FACHET, Jozsef, Dr; Departmental Medical-Radiological Research Group of the Academy (chief: ZSEBOK, Zoltan, Dr) (Orvos-Radiologiai Akademiai Tanszeki Kutatocsoport), Budapest.

"Changes in Adrenocortical Function Following Supralethal Whole-Body Irradiation."

Budapest, Orvosi Hetilap, Vol 107, No 32, 7 Aug 66, pages 1496-1499.

Abstract: [Authors' Hungarian summary] The changes in adrenocortical function following supralethal irradiation were studied in rats. The blood corticosterone level, and the in vitro corticosterone and aldosterone secretion by the adrenals was determined at different times following whole body irradiation with 1300 r. It was determined that two phases appear in the adrenocortical hormone secretion; these were more pronounced in the case of corticosterone. Acute corticosterone hypersecretion appeared after irradiation; following its cessation, a renewed increase in corticosterone production developed 48-72 hours later. The two phases were not as pronounced in the case of aldosterone production. The observed changes in secretion were largely supported by the histological findings. In conclusion, the disturbances in salt and water balance are correlated with the changes in adrenocortical function. 4 Hungarian, 34 Western references.

1/1

ZSEBOK, Zoltan, az orvostudományok doktora, egyetemi tanár

"Radiobiology" by Varteresz, Unger, Kalman and Szatmari. Reviewed by Zoltan Zsebok. Magy tud 71 no.2:133-134 F'64.

1. Budapesti Orvostudományi Egyetem.

*

ZSEBOK

APPROVED FOR RELEASE: Thursday, September 26, 2002
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CIA-RDP86-00513R002065510018-3
CIA-RDP86-00513R002065510018-3"

ZOLTAN, Zsebok, dr.

On evaluation of some shadow components in the roentgen picture of the thorax in newborn infants. Magyar radiol. 13 no.5:263-273 S '61.

1. I sz. Sebészeti Klinika (igazgató: hedri Endre dr., egyetemi tanár) Orrosi Radiológiai Osztálynak közleménye.
(THORAX radiography) (INFANT NEWBORN radiography)

ACCESSION NR: AP4012309

H/0021/64/000/001/0001/0008

AUTHOR: Zsebok, Zoltan (Doctor); Petranyi, Gyozo (Doctor)

TITLE: The importance of quantitative changes in the extracellular water space for disturbances of the water circulation in experimental "intestinal x-ray death."

SOURCE: Magyar radiologia; no. 1, 1964, 1-8

TOPIC TAGS: extracellular space, intestinal x-ray death, gastro-intestinal tract, inulin space, inulin permeability of intestine, salt-deficit exsiccosis

ABSTRACT: The authors studied the gastro-intestinal x-ray syndrome in rats by the inulin method combined with ligation of the kidney hilum; they administered 1,300 r and noted the changes in the active extracellular space of the whole organism and the individual organs and in the inulin permeability of the gastro-intestinal tract after 24, 48 and 72 hours. They distinguished two reaction phases in the disturbance of the water equilibrium, concomitant with the gastro-intestinal x-ray syndrome. In the first, the extracellular space of the organs

Card 1/2

ACCESSION NR: AP4012309

increased parallelly with that in the entire organism, except for the brain and muscle tissues. In the second, it dwindled from 22 to 10.82% just before the animal's death. The amount of fluid transferred from the organism to the gastro-intestinal tract approximately equaled that lost from the extracellular space. The dwindling was uniform, except that the spleen inulin space increased slightly before death, and the small-intestine inulin space decreased only immediately before death. The damaged regulating mechanism could no longer correct the large-scale salt-deficit exsiccosis. The stepped-up inulin permeability of the intestine wall appreciably modified the apparent increase in the measured inulin space of the organism only after 72 hours. The authors evaluate and summarize their results in the light of the literature. Orig. has 4 tables.

ASSOCIATION: Magyar Tudományos Akademia Orvos-Radiologiai Kutatocsoport
(Medical Radiology Research Section of the Hungarian Academy of Sciences).

SUBMITTED: 00

DATE ACQ: 27Feb64

ENCL: 00

SUB CODE: AM

NO REF SOV: 000

OTHER: 038

Card 2/2

ZSEBOK, Zoltan, dr.; PATRANYI, Gyozo, dr.

Significance of quantitative changes in extracellular fluid space in water imbalance in experimental "intestinal x-ray death". Magy. radiol. 16 no.1:1-8 F'64.

1. Magyar Tudományos Akademia Orvos-Radiológiai Kutatóscoport-
jának közleménye (Vezető: Zsebok Zoltan dr., egyetemi tanár).

ZSEBOK, Zoltan, az orvostudományok doktora, egyetemi docens

"General radiotherapy" by Ivan Rode. Reviewed by Zoltan Zsebok.
Magy tud 70 no.6/7:499-500 Jo-Jl '63.

1. Budapesti Orvostudományi Egyetem.

ZSEBOK, Z.; PETRANYI, Gy. Jr.

Experimental investigation on the changes in the extracellular space
in the radiation syndrome. Acta med. acad. sci. hung. 19 no.2:137-
144 '63.

1. Medizinisch-radiologische Forschungsgruppe der Ungarischen Akademie
der Wissenschaften.

(GASTROINTESTINAL SYSTEM)
(BODY FLUIDS)

(RADIATION INJURY, EXPERIMENTAL)

ZSEBOK, Z : PETRANYI, Gy., Jr

Radiation effect on electrolyte and water balance, particularly
on extracellular electrolytes. Acta med. acad. sci. hung. 19 no.1:
11-21 '63.

J. Radiobiological Research Laboratory, First Department of Surgery,
University Medical School Budapest.
(WATER-ELECTROLYTE BALANCE) (RADIATION EFFECTS) (URINE)
(SODIUM) (POTASSIUM) (BODY FLUIDS) (CHLORIDES)

ZSEBOK, Zoltan, dr.; TOROK, Istvan, dr.

Diagnostic value of kidney function tests performed with
I¹³¹-labelled hippuric acid. Magy. radiol. 15 no.5:257-266
S '63.

1. A Magyar Tudományos Akademia Orvosradiologiai Kutatocsoport
kozlemenye.

(IODINE ISOTOPES, DIAGNOSTIC)
(KIDNEY FUNCTION TESTS)
(CONTRAST MEDIA) (UROGRAPHY)

ZSEBOK, Z.

Radiological aspects of renal diseases. Acta med. acad. sci.
Hung. 19:Suppl:95-101 '63.

1. First Department of Surgery, Medical University, Budapest.
(UROGRAPHY) (KIDNEY FUNCTION TESTS)

ZSEBOK, Zoltan, dr.; PETRANYI, Gyoza, jr. dr.

Experimental data on internal electrolyte changes related to radiation diseases. Magy. radiol. 15 no.3:164-170 Je '63.

1. Az I. sz. Sebészeti Klinika Orvos-Radiológiai Kutatócsoportjának közleménye.

(WATER-ELECTROLYTE BALANCE) (RADIATION INJURY, EXPERIMENTAL)
(SODIUM) (GASTROINTESTINAL SYSTEM)

ZSEBOK, Zoltan, Dr. PETRANYI, Gyozo, Jr, Dr; Medical-Radiological Research Group of the I. Surgical Clinic (Az I. sz. Sebészeti Klinika Orvos-Radiológiai Kutatócsoportja).

"Experimental Data on the Internal Shift of Electrolytes Concomitant With Radiation Disease."

Budapest, Magyar Radiologia, Vol XV, No 3, June 63, pages 164-170.

Abstract: [Authors' English summary modified] The shift of electrolytes in the terminal phase of gastro-intestinal death in rats irradiated with 1200 r has been examined by the authors. The tests were done 72 hours after irradiation. Using the Na isotope and simultaneous inulin method, the changes in the exchangeable Na content of the organs, of the whole organism and of the extracellular space were determined. No characteristic change in the Na content of the intracellular space was detected by the method. The shift of a certain quantity of Na within the organism, directed from the extracellular space into the severely damaged intestinal tract is characteristic of the terminal phase of the gastro-intestinal syndrome. 4 Hungarian, 24 Western references.

ZSEBOK, Zoltan, dr; VODROS, Daniel

Practical value of gamma spectra. Magy. radiol. 15 no.1:34-42 Jan '63.

1. Magyar Tudományos Akademia Orvos-Radiologiai Kutatócsoporthoz
közleménye.

(RADIOMETRY)

(RADIOISOTOPES)

ANTALFFY, Gyorgy, dr.; BIHARI, Otto, dr.; CHOLNOKY, Laszlo, dr.;
GRUBER, Jozsef, dr.; HAY, Laszlo, dr.; KESZTUS, Lorand, dr.;
MAGYARI, Andras, dr.; ORTUTATY, Gyula, dr.; PERENYI, Imre, dr.;
PETRI, Gabor, dr.; POLINSZKY, Karoly, dr.; RAPCSAK, Andras;
TORO, Imre, dr.; ZAMBO, Janos, dr.

Peace to the world! An appeal by the Committee on Science of
the National Peace Council. Term tud kozl 6 no.6:241 Je
'62.

1. Orszagos Beketanacs Tudomanyos Bizottsaganak elinoke (for Szadeczky-Kardoss).
 2. Orszagos Beketanacs Tudomanyos Bizottsaganak titkara (for Zsebok).
 3. Magyar Tudomanyos Akademia elnoke (for Rusznyak).
 4. Szegedi Tudomanyegyetem rektora (for Antalffy).
 5. Pecs Tudomanyegyetem allamjagi karanak dekanja (for Bihari).
 6. Pecs Orvostudomanyi Egyetem rektora (for Cholnoky).
 7. Budapesti Muszaki Egyetem rektora (for Gruber).
 8. Marx Karoly Kozgazdasagtudomanyi Egyetem rektora, Budapest (for Hay).
 9. Kossuth Lajos Tudomanyegyetem rektora, Debrecen (for Kesztyus).
 10. Agrartudomanyi Egyetem rektora (for Magyar).
 11. Eotvos Lorand Tudomanyegyetem rektora (for Ortutay).
 12. Epitoipari es Kozlekedesi Muszaki Egyetem rektora (for Perenyi).
 13. Szegedi Orvostudomanyi Egyetem rektora (for Petri).
 14. Veszpremi Vegyipari Egyetem dekanja (for Polinszky).
- (To be continued)

ZSEBOK, Z.

Andre Hedri (1893-1962). Orv. hetil. 103 no.49:2325-2326 9 D '62.
(OBITUARIES)

ZSEBOK, Zoltan, Dr; [no affiliation given]

"Report on the Tenth International Congress of Radiology Held in Montreal."

Budapest, Magyar Radiologia, Vol XV, No 2, Apr 63, pages 110-117.

Abstract: [Author's English summary modified] A report on the congress with a short review of the conferences and the experiences gained by the author during his visits in the Canadian radiological institutes are presented. An account is given of the International Radio-Sensitivity Symposium held in Quebec and the problems of Canadian radiologists are discussed. No references.

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KOVACH, F.[Kovats, Ferenc]; ZHEBEK, Z.[Zeebok, Zoltan], dots.; KRAUZE, R.E.[Krause, R.E.(translator)]; YUKHAS, I.[Juhasz, I.], red. izd-va; DONDOR, A., tekhn. red.

[X-ray anatomical bases for studying the lungs] Rentgenanatomicheskie osnovy issledovaniia legkikh. 9., perer. i dop. izd.
Budapest, Akademiai Kiado, 1962. 376 p. (MIRA 15:12)

1. Starshiy vrach nauchno-issledovatel'skogo instituta tuberkuleza, Budapesht (for Kovach). 2. Khirurgicheskaya universitetskaya klinika, Budapesht (for Zhebek).

(LUNGS--RADIOGRAPHY)

HUNGARY

ZSEBOK, Zoltan, dr., TOROK, Istvan, dr.; Hungarian Academy of Sciences,
Physician-Radiological Research Group (Magyar Tudományos Akadémia,
Orvosi-Radiológiai Kutatócsoport)

"The Practical Value of Gamma Spectra."

Budapest, Magyar Radiológia, Vol. XV, No. 1, Jan 1961, pages 24-31.

Abstract: [Authors' English summary modified] The spectrum of gamma
radiating radioactive isotopes is necessary for the evaluation of the
character of radiation. The practical methods of recording are discussed.
The elements of the scintillation spectrometer, the transformation of
gamma quanta into electric impulses, that is, registrable signals and
the analysis of the gamma spectrum is presented. Identification of the
emitting compound by this method is discussed. Finally, the resolution
capabilities of the apparatus are demonstrated by an example. Literature
references.

11/1

26

ZSEBOK, Zoltan, dr.; TOROK, Istvan, dr.

Some problems of thyroid function tests with radioactive iodine,
a scintigraphic method. Magy. radiol. 14 no.4:193-200 J1 '62.

1. A Budapesti Orvostudományi Egyetem I. Sebészeti Klinikája (igazgató:
Hedri Endre dr egyetemi tanár) Orvosi-Radiológiai Kutató Csoportjának
közleménye.

(THYROID GLAND physiolo)

(IODINE radioactive)

HUNGARY

ZSEBOK, Zoltan MD; [Affiliation not given].

"Endre HEDRI, MD (1893-1962)"

Budapest, Orvosi Hetilap, Vol 103, No 49, 9 Dec 62; pp 2305-2306.

Abstract: Obituary of Endre HEDRI, MD, who died on 11 Nov 62. Dr HEDRI was a surgeon and since 1947 Professor of Surgery at the University of Budapest.

1/1

ZSEBOK, Z.; MESTER, E.

Role and importance of the "hard-ray" method in modern x-ray diagnostics.
Acta Chir. Acad. Sci. Hung. 2 no.4:460-471 '61.

(RADIOGRAPHY)

ZSEBOK, Z.

Value of radioprotective substances in the light of recent radiobiological researches. Acta chir. Acad. Sci. Hung. 3 no.1:xxi-xxxi '62.

(RADIATION PROTECTION)
(MERCAPTOETHYLAMINES pharmacol)

ZSEBOK, Zoltan, az orvostudományok doktora, egy. docens (Budapest)

Role of radioisotopes in clinical diagnosis. Magyar Tud. 68 no.3:
169-174 Mr '61. (EELI 10:6)

1. Budapesti Orvostudományi Egyetem.
(Diagnosis) (Radioisotopes)

ZSEBOK, 2.

**Roentgenanatomical contribution to the physiological variations
of the neurocranium. Acta med. hun. 14 no.4:433-447 '59.**

**1. Röntgenabteilung der I. Chirurgischen Klinik der Medizinischen
Universität, Budapest.
(SKULL radiography)**

ZSEBOK, Zoltan, dr.

Hungarian views on Soviet radiological institutes. Magyar radiol
12 no.1:4-10 Mr '60.
(RADIOLOGY)

EXCERPTA MEDICA Sec 18 Vol 4/2 Cardiovas. Dis. Feb 60

721. **Experimental investigations on the reactions of the vascular walls to the action of contrast media** Experimentelle Untersuchungen über Gefäßwandreaktionen auf Kontrastmitteleinwirkung. Zsénör Z. Röntgenabt., 1. Chir. Univ.-Klin., Budapest
Fortschr. Röntgenstr. 1959, 90/1 (75-84) Graphs 3 Illus. 5

An anisotonic, otherwise indifferent solution, which would have no effect whatever after injection into the circulation, is non-existent. The lesions observed with reference to the application of di- or tri-iodized contrast media, consist of local or general reactions. In animal tests the administration of 1.5 g. 70% di-iodized contrast medium per kg. body weight in the vena cava superior lowers the blood pressure about 40 mm. Hg. After a short apnoea and lapse of 1-2 min. the situation is normalized again. More animal tests showed that similar lowering of blood pressure and similar symptoms are caused by other hypotonic solutions as well, if their molecular concentration corresponds to that of the 70% contrast medium. To explain local reactions the contrast medium was injected into stretches of veins previously emptied and blocked and after waiting 2 min. for the contrast medium to take effect the endothelium was found to be absolutely normal histologically. A higher concentration may provoke changes in the vascular wall, mainly when the

731
medicine is continually active. Vessels of great capacity and with a high velocity of blood flow show no lesions of the inner coat even after application of a medium with a high concentration for a relatively longer time.

Zsebök - Budapest

ZSMBOK, Zoltan, dr.

Certain problems of roentgenotherapy of inoperable neuro-
ectodermal tumors. *Magy.radiol.* 11 no.4:193-201 II '59.

1. A Budapesti Orvostudományi Egyetem I. sz. Sebészeti Klinikája
(igazgató: Hedri Endre dr. egyetemi tanár) Röntgen osztályának
(vezető: Zsombok Zoltán dr. Kossuth-díjas egyetemi docens)
közleménye.

(BRAIN neopl)

(RADIOTHERAPY)

ZSÉBOX, Zoltan, dr.; WACHTL, Istvan, dr.; SZY, Sandor, dr.; SELLÉI, Gamillo, dr.

Influence of subcutaneously and intramuscularly administered
zymosan on the properdin titer of serum and on leukocyte count
in animal experiments. Orv.hetil. 101 no.7:226-229 F '60.

1. Budapesti Orvostudományi Egyetem, I. sz. Sebészeti Klinika,
Röntgen Osztály és Sugárbiológiai Kutatólaboratórium.

(POLYSACCHARIDES pharmacol.)

(PROPERDIN)

(LEUKOCYTES)

1257. DATA ON SURGICAL AND RADIOANATOMY OF THE PANCREAS - Anguhen zur chirurgischen und Röntgenanatomie des Pankreas - Zsebök Z. and Mészáros G. Röntgenabt., I. Chir. Klin., Med. Univ., Budapest - ACTA MED. ACAD. SCIENT. HUNG. (Budapest) 1957, 11/1 (139-158) Illus. 13
The term X-ray anatomy is explained. Pancreatography and its possibilities were explored in 100 cadaver preparations. It was found that they differ to some degree from the data in the literature. Several so far unobserved variations in the excretory system of the pancreas may be found, which are important from the view-

1257

point of the radiodiagnosis of the glands and successful surgical operation. (IX, 14)

1257

2886. BONE MARROW PHLEBOGRAPHY - Die osteomedulläre Phlebographie -
Zaeböck Z. and Gergely R. Röntgenabt., I. Chir. Univ.-Klin.,
Budapest - DTSCH. MED. WSCHE. 1958, 83/3 (106, 109-110 and 113-114)
Illus. 11

Ordinary phlebograms are sometimes insufficient, as the direction of the circulation may have changed and the blood may be directed from the deep venous system to the superficial veins. This is why the former sometimes do not fill. Bandaging of the leg to obtain deep filling sometimes results in spasms of the deep veins with incomplete filling. The authors use the following method: injection of a commercial solution of Na acetrizoate ('triopac 400') into the head of the tibia (presentation of the femoral veins), or into the heel bone (for the veins of the lower leg), preceded by injection of 1% procaine solution. Photos are taken under fluoroscopic guidance, in 2 planes. The patient is examined standing up and lying down. In the former case the veins fill within 2 min.; in the latter case they fill within 5 min. In circulatory disturbances the difference is greater. If necessary, serial pictures are made, as otherwise thrombotic occlusions may be simulated by incomplete filling. Lymphangiography is performed at the same time if necessary. Sometimes filling of the deep veins does not take place because of spasm of these veins. Anatomical variations of the popliteal vein are seen more often than they are described by anatomists. The venous valves are not arranged regularly in most cases. Phlebography should always precede any surgical intervention. In thrombosis of the femoral vein, this may be filled retrogradely by collaterals. In thrombosis of the iliac vein, collateral circulation via the superficial epigastric vein or the scrotal venous system may be observed. Heckmann - Munich (XIV, 9)

ZSEBOK, 2

Country : RUSSIA
Category : Heart Disease. 2-2
Abs. Jour : Med Bull-Sov. Med., No 11, 1955, 74000
Author : Maschok, A.; Dzobely, A.; Nasy, M.
Institut. : Leningrad Academy of Sciences.
Title : Pathology of the Bronchial System
in the Lungs' Angioarchitecture in Rabbits.
Orig. Pub. : Med. Bulletin. Acad. Sci. USSR., 1955, 11, No 4,
367-382
Abstract : The lung lobes, bronchus and blood vessels of
rabbits 3-5 months old and of 7 heads of
young cattle stock (1-2 years) were investigated
by 1-2% aqueous of corrosion preparations. In
the total weight of both lungs (without the
bronchi) amounted to 220 g, the weight of the
upper lobe of the right lta amounted to 140 g,
of the left to 80 g; each cardiac lobe
weighed 55 g, the diaphragm part of the right
lung weighed 320 g, of the left lung 270 g, the
Card: 1/4

Country : HUNGARY
Category : Farm Animals. 2-2
Cattle.
Abs. Jour : Ref Zhur-Biol., No 14, 1970, 74000
Author :
Institut. :
Title :

Orig. Pub. :

Abstract : main bronchus and about 1.1 times greater than the greatest length of the lungs (the distance from the top of the lungs to the end of their base). The angle between the main bronchi equals about 75° , the right main bronchus forms an angle of 30° with the center line, the left forms an angle of 35° . The branches of the pulmonary artery are situated at the lateral side of the corresponding bronchi (with the exception of upper lobes where they

Card: 3/4

Roentgen morphology and radiotherapy of lung carcinoma. Tuberkulózis
12 no.2:33-40 Feb 59.

1. A Budapesti Orvostudományi Egyetem I. sz. Sebészeti Klinikája
(Igazgató: Hedri Endre dr. egyetemi tanár) Röntgenosztályának (Vezető:
Zsebok Zoltan dr. egyetemi docens) közleménye.

(LUNG NEOPLASMS

x-ray diag. & radiother. (Hun))

(RADIOTHERAPY, in various dis.
cancer of lungs (Hun))

ZSEBOK, Z.R., dr.

The value of sulphhydryl compounds as radioprotective substances,
in the light of modern radiobiological researches. Ther. hung. 11
no.1:14-19 '63.

1. Medico-Radiological Research Group of the Medical University,
Budapest.

(SULPHYDRYL COMPOUNDS) (RADIATION PROTECTION)
(RADIATION INJURY, EXPERIMENTAL)

FAY, Gyula; ZSELEV, Boriss.

Application of Kolmogorov's theory of crushing in the field
of investigating grindableness. Epitoanyag 14, no.6:209-217
Je '62.

1. Hotechnikai Kutato Intezet.

HUNGARY
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065510018-3"

FAY, Gyula, ZSELEV, Boris; Research Institute of Heat Technology (Hőtechnikai Kutató Intézet), Budapest.

"Investigation of Burning Processes by the Method of Stationary States of Heat."

Budapest, Magyar Kémiai Folyóirat, Vol 69, No 8, Aug 1963, pages 347-354.

Abstract: [Authors' Hungarian summary] The conditions for burning, extinction and ignition have been investigated mathematically, based on zero dimension, adiabatic and Vulis-type reactor model burning processes. The problems of stability in burning processes have been examined and the conditions for stability and lability determined. 3 Eastern European references.

On the theory of turbulence and its technical application. Fiz szemle
13 no.4:102-109 Ap '63.

1. Hotechnikai Kutato Intezet.

SECRET

CONFIDENTIAL

SECRET

CONFIDENTIAL

FAY, Gyula; ZSELEV, Borisz [Zhelev, Boris].

Relative comparative process for the determination of grindability characteristics. Epitoanyag 15 no.4:111-112 Ap '63.

1. Hotechnikai Kutato Intezet.

FAY, Gyula; ZSELEV, Borisz

~~Investigation of mixing processes in free turbulent rays.~~
Investigation of mixing processes in free turbulent rays.
Energia os atom 17 no.7:312-314 J1 '64.

1. Electric Power Industry Research Institute.

ZSHAK, A. T.

Zshak, A. T. NONMETALLIC INCLUSIONS IN ALUMINUM
THE KRAMY OKREDA WORKS (Gharapory, 3/6
(1940). Analysis of nonmetallic inclusions in the ingots
proved that such inclusions did not always originate from
the erosion of the refractories. The main cause was found
to be in the use of an excess of metallic aluminum for the
reduction in the ladle.

Zehak, A. T. NONMETALLIC INCLUSIONS IN IRON AT
THE SEASIDE, OKTOMBER, 1940. *Ogdenport, 8, 375*
(1940).—Analysis of nonmetallic inclusions in the ingots
proved that such inclusions did not always originate from
the erosion of the refractories. The main cause was found
to lie in the use of an excess of metallic aluminum for the
reduction in the ladle.

Zehak, A. T. NONMETALLIC INCLUSIONS IN STEEL AT
THE KRASNYY ONTOGORA WORKS. *Ognesovoye*, 8, 375
(1940).--Analysis of nonmetallic inclusions in the ingots
proved that such inclusions did not always originate from
the erosion of the refractories. The main cause was found
to lie in the use of an excess of metallic aluminum for the
reduction in the ladle.

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Cukoripar
THE SUGAR INDUSTRY
Vol. 111. - 1950
No. 11, Nov.

I. F. Ziga

Intensifying the movement for saving
material in the sugar industry 119-125

ASB-114 METALLURGICAL LITERATURE CLASSIFICATION

OSTERLO-BEINER

SAFORD

VERGAS MAY ONE ONE

SAFORD

SAFORD

SAFORD

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SAFORD

SAFORD

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ZSEBOK, Zoltan

Development of radiology in the past decade. Orv. hetil. 100 no.16:
561-568 19 Apr 59.

1. A Budapesti Orvostudományi Egyetem I. sz. Sebészeti Klinikája
(igazgató Hedri Endre dr. egyetemi tanár) Röntgen osztályának (vezető:
Zsebok dr. egyet. docens, az orvostud. doktora) közleménye.

(RADIOLOGY

progr. in past decade (Hun))

761. ZSEBOK Z. 1. Chir. Univ.-Klin., neurochir. Inst., Budapest. Röntgenstrahlen-
behandlung bei Hirntumoren mit besonderer Hinsicht auf die neuroectodermalen Ge-
schwülste *X-ray therapy in cerebral tumours with special regard to neuroectodermal*
tumours Arch. Geschw.forsch. 1955, 8/3 (246-257) Graphs 4 Tables 2 Illus. 3

During 52 months in the years 1948-1952, a total of 168 patients were treated for
tumour of the brain, 101 of them being neuroectodermal tumours. In every series
3,000 to 10,000 r. were applied without radiation injuries. Inoperable patients were
ameliorated and often able to work after treatment. Körbler - Zagreb

September 26, 2002 CIA-RDP86-00513R002065510018-3
FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510018-3
~~SECRET~~ 2811711/1115 3000
IVAN TANEV; ASZEN HADZSOLOV; SZAVA ZSILJAZKOV; PETKO STERNV

Clinical and experimental studies on scarlatinal glomerulonephritis
and the mild symptoms of kidney damage. Gyermekgyógyászat 9 no.1-3;
1-5 Jan-Mar 58.

(SCARLET FEVER, compl.
glomerulonephritis, diag. significance of early mild renal
sympt. (Hun))
(GLOMERULONEPHRITIS, etiol. & pathogen.
scarlet fever, diag. significance of early mild renal sympt.
(Hun))

FAY, Gy.; ZSELEV, B. [Zhelev, B.]

Mathematical foundations for the granulometric analysis of
a multitude of ground grains. Acta techn Hung 4,4 no.3/4:
237-260 '63.

1. Forschungsinstitut für Wärmotechnik, Budapest.

FAY, Gyula; ZSELEV, Borisz

Application of the analogy theory in the analysis of transport processes. Muszaki kozl MTA 33 no.1/4:351-363 '64

1. Hotechnikai Kutato Intezet, Budapest.

FAY, Gyula, kandidatus; ZSELEV, Borisz, kandidatus

Some technophysical questions of granularity. Magyar fizikai folyóirat
12 no. 2:151-172 '64.

1. Research Institute of Heat Engineering.

FAY, Gyula; ZSELEV, Borisz

Concept of the theory of physical similarity. Pt.3.
Fiz szemle 13 no.11:349-354 N '63.

1. Hotechnikai Kutato Intezet.

ZSELEV, Borisz, tudományos munkatárs

Thermodynamics of heat radiation and foundations for the calculation of heat transfer occurring through radiation in combustion chambers. Energia es atom 16 no.12:517-529 D '63.

1. Hőtechnikai Kutató Intézet.

FAY, Gyula; ZSELEV, Borisz . [Zhelev, Boris]

Concept of the theory of physical similarity. Pt.2. Fiz szenle
13 no.10:318-323 0'63

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FAY, Gyula; ZSELEV, Borisz [Zhelev, Boris]

~~Physical similarity and the theory of physical similarity~~
Data on the concept of the theory of physical similarity. PT.1.
Fiz szemle 13 no.9:271-275 S '63.

1. Hotechnikai Kutato Intezet.

FAY, Gyula, okl. gépészmérnök; ZSÉLEV, Horász, okl. gépészmérnök

Application of Kolmogorov's theory of crushing in grinding a mixture of materials with different specific gravity. Energia és atom 14 no.12: 550-552 D '61.

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HUNGARY / General and Specialized Zoology. Insects. P
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44859

Author : Zsemeri, S.

Inst : Not given

Title : The Control of Sugar Beet Pests.

Orig Pub : Magyar mezogazd, 1957, 12, No. 4, 12-13.

Abstract : None given

Application of mist cooling in metal cutting. Gap 10 no. 6
203-211 Ja '74.

1. Chair of Physics Building Technical g., Budapest Technical
University, 2. Editor-in-Chief, "Acta" (in German).

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The first Hungarian-manufactured Danube-seagoing vessel
started from Budapest thirty years ago. Kozleked kozl
20 no.41:674-677 11 0 '64.

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Sea navigation of African countries. Kozleked kozl 18
no.10:161-162 11 Mr '62.

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The turnip-top louse. p. 9. (Magyar Mezőgazdaság, Vol. 11, no. 2, Jan. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) IG, Vol. 6, no. 7, July 1957. Uncl.

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Forecasting sugar beet insects for 1956. p. 14. (Magyar Mezőgazdaság, Vol. 11, no. 6, Mar. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

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Forecasting sugar-beet parasites for 1959. p.123.

CUKORIPAR. Budapest, Hungary. Vol. 12, no. 5, May 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

HUNGARY / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20909

Author : Zsembery, Sandor

Inst : Not given

Title : Forecast (Population) of the Beet Pests in
1958

Orig Pub : Magyar mezogazd., 1958, 13, No 7, 12-13

Abstract : No abstract given

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ZSERBO, Gyorgy

Buttenhole drilling by new technology. Musz elat 17 no.26:16
20 D '62.

ZSIDAI, Jozsef

The Technical University of the Heavy Industry Library. Borsod ajenle
7 no.5:94-97 '63.

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ZSIDAI, Jozsef

Professional literature in the service of scientific research in
Upper Hungary. Borsod azemle 8 no.4:20-23 '64.

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The manager's fund. Hung TU no.1:10-11 Ja '62.

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Which is revealed by labor protection statistics in the Lang
Machine Factory. Munka 10 no.2:10 F '60.

1. "Nepszava" munkatarsa.

ZSIDI, Gyula

The Beloiannisz Factory's trade union committee and the workers' daily problems. Munka 11 no.4:10 Ap '61.

1. Szakszervezetek Országos Tanácsa szervezési osztályának munkatársa.

(Hungary—Telecommunication)
(Hungary—Trade unions)

HUNGARY

KINCSES, Jozsef, Dr, CSASZAR, Jozsef, Dr, BORS, Gyozo, Dr, HALLER, Antal, Dr, ZSIFKOVIK, Istvan, Dr; Medical University of Pecs, Urological Clinic (director: BALOGH, Ferenc, Dr) (Pecsi Orvostudományi Egyetem, Urológiai Klinika), Pecs City Ambulant Services, Urological Specialist Service (director: KOZSAR, Jozsef, Dr) (Pecsi Városi Rendelőintézet, Urológiai Szakrendelő), and Medical University of Pecs, II. Surgical Clinic (director: KARLINCSEK, Tibor, Dr) (II. Sebészeti Klinika).

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Budapest, Orvosi Hetilap, Vol 108, No 7, 12 Feb 67, pages 296-298.

Abstract: [Authors' Hungarian summary] The effect of various anaesthetic procedures on renal function has been studied and the observations made are reported. It is stressed that an impairment of renal function must be reckoned with not only in urological operations but in other surgical procedures as well, especially when the patients are of advanced age. Particular importance is attributed to the combined effect of surgical stress and anaesthesia on renal function in the case of absent or impaired concentrating ability. Therefore, it is recommended that the question of renal contraindication be also raised before every more major surgical intervention. 3 Hungarian, 2 Western references.

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1. A Pecsí Orvostudományi Egyetem Szülészeti és Nőgyógyászati Klinikájának (Igazgató: Lajos László dr. egyetemi tanár) és Kórházának (Igazgató: Romhányi György dr. egyetemi tanár) közleménye.

(CHROMOSOMES) (LEUKOCYTES) (AGING)
(SEX CHARACTERISTICS)

KINCSES, J.; CSASZAR, J.; BORS, Gy.; ZSIFKOVICS, I.

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I. Urologische Klinik (Direktor: Prof. Dr. F. Balogh) und II. Chirurgische Klinik (Direktor: Prof. Dr. T. Karlinger) der Medizinischen Universität Pecs, und Städtisches Urologisches Fachambulatorium (Chefarzt: Dr. J. Kobor), Pecs. Submitted January 18, 1965.

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322-325 '62.

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GULYAS, Lajos, dr.; ZSIGA, Imre, dr.; LISZKAI, Laszlo, dr.

Giant-cell reticulosis associated with epileptic symptoms. Orv.
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1. Magyar Nephadsereg Egesszegugyi Szolgalata.

ZSIGA I.
(1685)

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CIA-RDP86-00513R002065510018-3
CIA-RDP86-00513R002065510018-3"

Budapesti Tudományegyetem I. Belklinikájáról. Egyszerű carbamid-meghatározás serum-
ban és vizeletben A simplified method of urea determination in serum and urine Orvosi
Hetilap 1948, 89/22 (343-345) Tables 1

A photometric determination of urea in 0.2 ml. of blood serum is developed. The
method is based on urease action and subsequent photometric determination of
amonia.

Balint - Budapest

SO: Excerpta Medica, Vol. 11, No. 4, Sect. 11 - April 1949

ZSIGA, Lajos (Miskolc)

'hat do the underpass and the island platform mean to the
passengers at Miskolc-Tisza railway station? Vasut 15 no.2:
18-19 F '65.

1. Hungarian State Railways.

CSANADI, Gyorgy, dr., egyetemi tanar; FASKERTI, Sandor; SZABO, Dezso, dr.,
a kozlekedestudomanyok kandidatusa, okl.mernok; CSUHAT, Denes;
TAKACS, Endre; CSABAI, Rudolf; NAGY, Rudolf; KUTAS, Laszlo, mernok;
VASARHELYI, Boldizsar, dr., a muszaki tudomanyok doktora, tanszek-
vezeto egyetemi tanar; KOLLER, Sandor, megyetemi adjunktus; KALNOKI
KISS, Sandor; GYOMBER, Sandor; TALLO, Gyula; KOZARY, Istvan; SZILAGYI,
Lajos; HEGYI, Kalman, okl.mernok; BERCZIK, Andras; MARKI, Laszlo; PALFI,
BUDINSZKI, Endre; NAGY, Endre, okl.mernok; SZATMARY, Ferenc; MAGORI,
Judit; CSIKHELYI, Bela; MESZLERI, Zoltan; VEROSZTA, Imre; ZCICA, Sandor;
TOROK, Istvan; KONCZ, Laszlo; WESSZELY, Ferenc; SZABO, Bela; KOMOROCZI,
Lajos; GINTL, Jozsef; CSONTOS, Dezso; JAKAB, Sandor; LOVASZ, Istvan,
mernok; KISS, Karoly; RODCHER, Karoly

The City Transportation Conference in Szeged. Kozl tud sz 12 no.2:
49-54 F '62.

1. Akademiai levelezo tag, a kozlekedes- es postaugyi miniszter
elso helyettese, es "Kozlekedestudomanyi Szemle" szerkeszto
bizottsagi tagja (for Csanadi) 2. Kozlekedes- es Postaugyi Miniszterium
Muszaki Felugyeleti Osztalyanak vezetoje (for Faskerti) 3. Fovarosi
Tanacs Vegrehajto Bizottsaga VIII. Varosrendezesi es Epiteszeti
Osztalyanak munkatarsa, es "Kozlekedestudomanyi Szemle" szerkeszto
bizottsagi tagja (for Szabo)

(Continued on next card)

CSABAI, Gyorgy --- (Continued) Card 2.

4. Fomernok, Kozlekedes- es Postaugyi Miniszterium Kozlekedespoli-
tikai Osztalyanak munkatarsa (for Csuhay) 5. Kozlekedes- es Postaugyi
Miniszterium Autokozlekedesi Vezergazgatosaganak szakosztalyvezetoje
(for Takacs) 6. MAV fointezo, a Kozlekedestudomanyi Egyesulet miskolci
teruleti szervezetenek titkara (for Csabai) 7. Fomernok, a Fovarosi
Tanacs Vegrehajto Bizottsaga Kozlekedesi Igazgatosaga helyettes
vezetoje (for "agy) 8. Fovarosi Tanacs Vegrehajto Bizottsaga
Kozlekedesi Igazgatosaganak fejlesztési eloadoja (for Kutas)
9. "Kozlekedestudomanyi Szemle" szerkeszto bizottsagi tagja (for
Vasarhelyi) 10. Csoportvezeto fomernok, Debrecen m.j. Varosi Tanacs
Vegrehajto Bizottsaga Ipari es Kozlekedesi Osztaly (for Kalnoki Kiss)
11. Rendorornagy, Csongrad Megyei Rendorfokapitanysag Korrendvedelmi
Osztalya (for Gyomber) 12. Fomernok, Miskolc m.j. Varosi Tanacs
Vegrehajto Bizottsaga Epitesi es Kozlekedesi Osztaly (for Tallo)
13. Fomernok, Kozlekedes-es Postaugyi Miniszterium Utosztalya (for
Kozary) 14. Fovarosi Tanacs Vegrehajto Bizottsaga VIII. Varosrendesagi
es Epiteszeti Osztalyanak vezetoje (for Szilagyi) 15. Ut-Vasut tervezes Vialat
Kozlekedesi Osztalya vezetoje (for Hegyi) 16. BUVATI Kozlekedesi es
Kommunikacios Osztalyanak vezetoje, Budapest (for Berczik) 17. Pecs m.j.
varos Tanacs BV Epitesi es Kozlekedesi Osztalyanak vezetoje (for
Marki)

(Continued on next card)

CSANADI, Gyorgy --- (Continued) Card 3.

18. Szeged m.j. Varosi Tanacs Epitesi es Kozlekedesi Ossztalyanak fomerneke (for Palfi Budinszki) 19. Budapest Fovarosi Tanacs Melyepitesi Tervezo Vallalat iranyito tervezoje (for Endre Nagy) 20. Debreceni Kozlekedesi Vallalat igazgatoja (for Szatmary) 21. Budapest Fovarosi Tanacs Melyepitesi Tervezo Vallalat tervezomernoke (for Magori) 22. Budapest Fovarosi Tanacs Melyepitesi Tervezo Vallalat tervezomernoke (for Csikhelvi) 23. Miskolci Kozlekedesi Vallalat fomerneke (for Meszleri) 24. Kozlekedes- es Postaugyi Miniszterium Autokozlekedesi Foszttalyanak fomerneke (for Veronza) 25. Szegedi Kozlekedesi Vallalat fomerneke (for Zsiga) 26. Miskolci Kozlekedesi Vallalat fokonyveloje (for Torok) 27. Debreceni Kozlekedesi Vallalat fomerneke (for Koncz) 28. Penzugy-miniszterium foeladoja (for Wessely) 29. Pecs Kozlekedesi Vallalat igazgatoja (for Szabo) 30. Epitesugyi Miniszterium Varosrendezesi Foszttalyanak mernoke (for Komoroczi) 31. Fovarosi Villamosvasut Fomerneke (for Gintl)

(Continued on next card)

CSANADI Gyorgy — (Continued) Card 4.

32. 51-es Autokozlekedesi Vallalat munkatarsa (for Csontos).
33. Ut-Vasuttermezo Vallalat irodavezeto fomerneke (for Jakab).
34. Budapesti Helyierdeku Vasutak osztalyvezetoje (for Lovasz).
35. Magyar Allamvasutak igazgathelyettese (for Kiss, Karoly).
36. Magyar Allamvasutak vezorigazgathelyettese (for Radonyi).

ZSIGACSOV, B.

"Use of Motor Engines Run By Liquefied Fuel In Switching Operations. Tr.
From the Russian", P. 93, (KOZLEKEDESTUDOMANYI SZEMLE, Vol. 4, No. 3, Mar.
1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

Zsiga, I. Toth.

Work in 1958 of the Sugar Industry Section of the Scientific Association
of the Agricultural Industry and its groups in the sugar factories. p. 72

CUKORIPAR. (Cukoripar es Mezogazdasagi es Eleimiszeripari Tudomanyos
Egyesulet,
Budapest, Hungary. Vol. 12, no. 3, March 1959.

Monthly List of East European Accessions (EEAI) LG, Vol. 8, no. 11,
November 1959
Uncl.

Zsiga, I. Toth.

Work plan for the first half of 1959 of the Sugar Industry Section of the Scientific Association of The Agricultural Industry and its groups.
p.(3) of cover.

CUKORIPAR. (Cukoripar es Mezogazdasagi es Eleimiszeripari Tudomanyos Egyesulet.
Budapest, Hungary. Vol. 12, no. 3, March 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 11,
November 1959
Uncl.

B/081/62/000/019/046/053
B101/B186

AUTHOR: Zsiga, László

TITLE: Manufacturing process for plastics using bulged pearlite

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1962, 560, abstract
19P372 (Hungarian patent 147344, August 15, 1960)

TEXT: Pearlite is added to the plastic molding powder or to the molding mass or granules to obtain solid plastics which are water-tight, noncombustible, and colorless. Examples: (a) A mixture (parts by weight) is prepared of 60 bulged pearlite, 40 phenol formaldehyde resin of novolac or resol type, 6-8 hexamethylene tetramine, 0.5 - 1 stearin (or montan wax), 1-2 MgO, 0-10 pigment, and 0-1 plasticizer (dibutyl phthalate). This results in a powdered thermosetting material; (b) a mixture is prepared of 60 pearlite, 25 powdered polyvinyl chloride (or polystyrene), 15 plasticizer (dibutyl phthalate, etc.), 0.5-1 stearin, and 0-5 pigment. This results in a thermo-plastic material. [Abstracter's note: Complete translation.]

Card 1/1

ZSIGARJOV, P.

Designer of the first airplane in the world; in commemoration of the 130th anniversary of A. F. Mozhaitskii's birth, Tr. from the Russian, p. 4, REPULS, (Magyar Onkentes Honvedelmi Szovetseg) Vol. 8, No. 8, Apr. 1955,

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

ZSIGARJOV, P.

Extension course for social instructors at Bekecsaba, p. 6, REPULES,
(Magyar Onkentes Honvedelmi Szovetség) Vol. 8, No. 8, Apr. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

ZSIGMOND, Andras

Conditions of up-to-date power economy and evaporation in
the sugar industry. Cukor 17 no. 6:163-172 Je '64.

1. Research Institute of the Sugar Industry; Editorial
board member, "Cukoripar."

ZSIGMOND, Andras; GRYLLUS, Vilmosne

Experimental examination of countercurrent ion-exchanging
columns. Elelm ipar 18 no. 5: 143-148 My '64.

1. Hungarian Sugar Industry Research Institute.

ZSIGNOND, Andras; GRYLLUS, Vilmosne

Countercurrent ion-exchanging columns. Cukor 16 no.11:
305-310 N '63.

1. "Cukoripar" szerkeszto bizottsagi tagja (for Zsignond).

ZSIGMOND, Andras

The role and tasks of the Research Institute of the Sugar Industry
in the development of the industry. Cukor 16 no.7:185-191 JI '63.

1. Cukoripari Kutatointezet.

ZSIGMOND, Andras; GRYLLUS, Vilmosna

Countercurrent ion-exchanging column. Cukor 16 no.10:282-286
0 '63.

1. Cukoripari Kutatointezet. 2. "Cukoripar" szerkeszto bizottsagi
tagja (for Zsigmond).

HORVATH, A.; HADNAGY, Cs.; SZOCS, G.; ÚRSACE, L.; ERDELYI, A.; LUKACSY, I.;
HUSZAR, I.; ZSIGMONDOVICS, E.

Considerations on the relationships between body weight and
cardiovascular diseases in diabetics. Studii cercet. endocr.
16 no.2:181-185 '65.

ZSIGMOND, Andras, Kossuth-dijas

Questions of steam production in the food industry.Pt.1.
Elelm ipar 13 no.8:237-242 Ag '59.

1. Cukoripari Kutatointezet.

ZSIGMOND, Andras, Kossuth-dijas

Questions of steam production in the food industry. Pt.2.
Elelm ipar 13 no.9:269-274 S '59.

1. Cukoripari Kutato Intezet.

ZSIGMOND, Andras; SONKOLY, Sandor

Some important aspects of operating canned industry condensers.
Konzerv paprika no.4:117-121 J1-Ag '62.

1. Cukeripari Kutato Intezet (for Zsigmond).
2. Konzerv- es Paprikaipari Kutato Intezet (for Sonkoly).